

AMENDMENTS TO THE CLAIMS

Please amend claims 3-12 as follows:

1. (original) A polymer actuator comprising a conductive powder compact comprising a conductive polymer and dopant, an ion donor, a work electrode, and a counter electrode, whereby it contracts or extends when voltage is applied between said work electrode and said counter electrode.
2. (original) The polymer actuator according to claim 1, wherein said conductive polymer has a conjugated structure.
3. (currently amended) The polymer actuator according to claim 1-~~or 2~~, wherein said conductive polymer is at least one selected from the group consisting of polypyrrole, polythiophene, polyaniline, polyacetylene and their derivatives.
4. (currently amended) The polymer according to ~~any one of claims 1-3~~claim 1, wherein said ion donor contains an electrolyte.
5. (currently amended) The polymer actuator according to ~~any one of claims 1-4~~claim 1, wherein said ion donor is in the form of a solution, a sol, a gel or a combination thereof.
6. (currently amended) The polymer actuator according to ~~any one of claims 1-5~~claim 1, wherein said ion donor contains an amphiphatic compound.
7. (currently amended) The polymer actuator according to ~~any one of claims 1-6~~claim 1, wherein said ion donor has a binder function.
8. (currently amended) The polymer actuator according to ~~any one of claims 1-7~~claim 1, wherein said dopant has a binder function.
9. (currently amended) The polymer actuator according to ~~any one of claims 1-8~~claim 1, wherein said work electrode is in contact with said powder

compact, and wherein said counter electrode is disposed in said ion donor at a position separate from said powder compact.

10. (currently amended) The polymer actuator according to ~~any one of claims 1-9~~ claim 1, wherein said powder compact is in a planar or columnar shape.

11. (currently amended) The polymer actuator according to ~~any one of claims 1-10~~ claim 1, wherein said conductive powder has electric resistance of $10^{-4} \Omega$ to $1 \text{ M}\Omega$.

12. (currently amended) The polymer actuator according to ~~any one of claims 1-11~~ claim 1, wherein the amount of said conductive polymer in said conductive powder is 1-99.9% by mass.

13. (currently amended) The polymer actuator according to ~~any one of claims 1-12~~ claim 1, wherein said conductive polymer has an average particle size of 10 nm to 1 mm.